

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-3 and 24 are pending in the present application with claims 1 and 24 having been amended by the present amendment.

REJECTION UNDER 35 U.S.C. § 103

Claims 1-3 and 24 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Gordon et al. in view of Niijima et al. This rejection is respectfully traversed.

Amended independent claim 1 is directed to a method for supporting a picture-in-picture (PIP) type time shifting. The method includes receiving a plurality of broadcasting programs through a broadcasting network, displaying the respective live broadcasting programs through a PIP structure on a screen, selecting, by an end-user, one of the displayed plurality of broadcasting programs and displaying the selected one of the broadcasting programs on the screen, time-shifting, by the end user, the selected one of the displayed plurality of broadcasting program, storing in a storage section the time-shifted broadcasting program, and displaying through the PIP structure on the screen at least one of the live broadcasting programs simultaneously together with the time-shifted broadcasting program.

Independent claim 24 is directed to a method comprising: receiving a plurality of broadcasting programs through selection of a broadcasting network; receiving a plurality of broadcasting program lists through the broadcasting network, and displaying the broadcasting program lists on a screen; selecting, by an end user, one of the broadcasting programs among the

lists; displaying the broadcasting programs based on the selection of the broadcasting program; time-shifting, by the end user, one of the displayed broadcasting programs; storing in a storage section the time-shifted broadcasting program; and displaying through a picture-in-picture (PIP) structure on the screen at least one of the live broadcasting programs simultaneously together with the time-shifted broadcasting program.

These features, insofar as they are recited in each of claims 1 and 24, are supported at least by Fig. 1 and the corresponding description in the application. For example, according to an embodiment as shown in Fig. 1, a plurality of live broadcasting programs 11-14 (or program lists) are displayed. Then, an end user selects the live broadcast 11, and the broadcast 11 is displayed in full on the screen as shown by reference numeral 20. Further, the end-user then time-shifts the selected broadcasting program 11. For example, a user may rewind the live broadcast 11 (see page 7, lines 13-18, for example). The time-shifted broadcasting program is also stored in a storing section 70 as shown in Fig. 2. The time-shifted broadcasting program 31 is then displayed along with the other live broadcasting programs 32-34 (corresponding to live broadcasting programs 12-14). Thus, the user is able to view the time-shifted broadcasting program together with the other live broadcasting programs.

The Office Action indicates Gordon et al. teaches time-shifting a selected broadcast program and cites Fig. 32 and column 26, line 7+. However, it is respectfully noted the indicated “non-real time multimedia content data” in Gordon et al. only relates to TV guide information and is not time-shifted. For example, as shown in Fig. 27 of Gordon et al., the user is provided with a video display 2702 having a plurality of different choices the user may select. For example, the channels CH-A to CH-F correspond to video channels and the other channels

shown in Figure 27 correspond to an advertisement, a video-on demand window and an e-commerce window. As shown in the right side of Figure 27, when the user selects the video channel CH-A, a new window 2704 is displayed showing the video CH-A along with the guide data for that channel (the guide data corresponds to the non-real time multimedia content data). The non-real time multimedia data is not time-shifted data.

The Office Action also relies on Niijima et al. as displaying live broadcast programs together with time-shifted broadcast programs. However, it is respectfully noted that Niijima et al. merely teach archiving/combining data of six multiscreens into data of one transmission channel (see for example, column 8, lines 48-59). The archive data in Niijima et al. does not correspond to an end user time-shifted program. That is, Niijima et al. teach transmitting the actual live broadcast along with the corresponding multi-screen to the user (see Figure 20). Thus, the multi-screen as shown in Figure 20, for example, is archived/combined into one transmission channel. The user cannot select one of the channels in the multi-screen, time-shift the selected video and then have this information redisplayed together with the other channels. Rather, when the user selects one of the sub-screens in Figure 20 of Niijima et al., for example, the actual live broadcast corresponding to the selected subscreen is then displayed in full. There is no teaching or suggestion in Niijima et al. about a user time-shifting a selected channel, and then having that channel displayed together with the other live broadcasting programs as in the present invention. Thus, combining Niijima et al. with Gordon et al. does not teach or suggest at least the above noted features recited in independent claims 1 and 24.

Accordingly, it is respectfully submitted independent claims 1 and 24 and each claim depending therefrom are allowable.

CONCLUSION

The Examiner is respectfully requested to enter this Amendment After Final, in that it raises no new issues but merely places the claims in a form more clearly patentable over the references of record. In the alternative, the Examiner is respectfully requested to enter this Amendment After Final in that it reduces the issues for appeal.

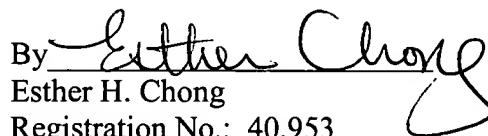
In view of the above remarks, it is believed that the claims clearly distinguish over the patents relied on by the Examiner. In view of this, reconsideration of the rejection and allowance of all of the claims are respectfully requested.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact David A. Bilodeau at telephone number (703) 205-8072, which is located in the Washington, DC area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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